## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("20030105496").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/12 18:49
L2	3235	(607/4,9,14,123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/12 19:36
S1	1164	(607/9).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/23 10:25
<b>S</b> 2	5	US-5728140-\$.DID. OR US-5935160-\$.DID. OR US-6567700-\$.DID. OR US-6584362-\$.DID. OR US-7487758-\$.DID. OR US-6421564-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/23 10:45
S3	405	(607/14).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/23 11:12
S4	356	(607/4).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/23 11:17
S5	107	(607/123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/23 11:17
S6	159	("4582061"   "4706681"   "4794931"   "5029588"   "5054492"   "5156151"   "5228442"   "5255679"   "5263493"   "5295484"   "5324284"   "5327889"). PN. OR ("5409000"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/23 11:18

S7	84	(US-20010012953-\$ or	US-PGPUB;	OR	ON	2005/09/23
		US-20020143368-\$ or US-	- 1			12:52
		20030009197-\$ or US-				
		20030050670-\$ or US-				
		20030078623-\$ or US-				
		20030083700-\$ or US-				
		20040098056-\$ or US-				
		20050203580-\$ or US-				
		20020065544-\$ or US-				
		20040172067-\$).did. or				
		(US-4928688-\$ or US-				
		5728140-\$ or US-				
		5935160-\$ or US-				
		6421564-\$ or US-				
		6567700-\$ or US-				
		6584362-\$ or US-				
		4967746-\$ or US-				
		5086774-\$ or US-				
		5105810-\$ or US-				
		5174289-\$ or US-				
		5224476-\$ or US-				
		5282838-\$ or US-				
		5403355-\$ or US-				
		5476482-\$ or US-				
		5514163-\$ or US-				
		5720768-\$ or US-				
		5800465-\$ or US-				
		5902324-\$ or US-				
		5983138-\$ or US-				
		5995870-\$ or US-				
		5999853-\$ or US-				
		6058327-\$ or US-				
		6085119-\$ or US-				
		6141588-\$ or US-				
		6223079-\$ or US-				
		6238420-\$).did. or (US-				
		6267778-\$ or US-				
		6304777-\$ or US-				
		6341234-\$ or US-				
		6370427-\$ or US-				
		6415183-\$ or US-				
		6643546-\$ or US-				
		4554922-\$ or US-				
		4787389-\$ or US-				
		5054485-\$ or US-				
		5562708-\$ or US-				
		5873896-\$ or US-				
		5995871-\$ or US-				
		6285906-\$ or US-				
		6484057-\$ or US-				
		4030509-\$ or US-				
		4967748-\$ or US-				
		4984572-\$ or US-				
		.55.572 \$ 51.55				

S	127	5156151-\$ 6 5228442-\$ 6 5255679-\$ 6 5263493-\$ 6 5324284-\$ 6 5577509-\$ 6 6014590-\$ 6 6216043-\$ 6 5487758-\$ 6 6058332-\$ 6 6070104-\$ 6 6532378-\$ 6 6647291-\$ 6 6650945-\$ 6 6658289-\$ 6 6721598-\$ 6 6735472-\$ 6 6760619-\$)	or US-	US-PGPUB;	OR	SZ	2005/09/27
9		"3866615"   "3949757"   "4030509"   "4106512"   "4154247"   "4270549"   "4393883"   "4458677"   "44559951"   "4570642"   "4603705"   "4624266"   "4633880"   "4649937"   "4662377"   "4693258"   "4784161"   "4799493"   "4817634"	"3942536"   "4030508"   "4057067"   "4136703"   "4217913"   "4291707"   "4332259"   "4402329"   "4463765"   "4567900"   "4602645"   "4624265"   "4627439"   "4646755"   "4649938"   "4664113"   "4727877"   "4799486"   "4817608"	USPAT; USOCR			08:37

S12	0	"multi\$9 site ventric\$5"	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 10:45
S13	115	multi\$4 near2 site near2 ventric\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 10:46
S14	43	("3924641"   "3946745"   "4343312"   "4402322"   "4498478"   "4539991"   "4543956"   "4569350"   "4781194"   "4903700"   "4940054"   "4944298"   "5027815"   "5111811"   "5163429"   "5181511"   "5193535"   "5213098"   "5215083"   "5224475"   "5391185"   "5411547"   "5421830"   "5468254"   "5480413"   "5514161"   "5522858"   "5534015"   "5620470"   "5620471"   "5649966"   "5713929"   "5814079"   "5871506"). PN. OR ("6067470"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27
S15	0	swayne adj wels	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 12:42
S16	0	swayne adj wells	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 12:42
S17	0	swayne near2 wells	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 12:43
S18	0	swayne near3 wells	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 12:43
S19	5825	wells.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 12:43
S20	0	(swayne adj wells).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 12:43
S21	43	swayne.in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 12:43

S22	25	("3937226"   "4088140"   "4332259"   "4354497"   "4458677"   "4548203"   "4928688"   "5123412"   "5174289"   "5267560"   "5387228"   "5403356"   "5514161"   "5540727"   "5584867"   "5674259"   "5720768"   "5728140"   "5741309"   "5792203"   "5797970"   "5902324"). PN. OR ("6456878"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:21
S23	1592	septum and sinus	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:22
S24	1218	septum and sinus and lead	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:22
S25	855	septum and sinus and lead and pac\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:48
S26	12	septum and sinus and subthresh\$ and pac\$4	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 13:48
S27	23	("3857399"   "3939844"   "4541417"   "4554922"   "4674518"   "5024222"   "5213098"   "5328442"   "5331966"   "5417717"   "5564434"   "5626623"   "5800464"   "6021345"   "6090047"   "6104949"   "6141586").PN. OR ("6438408").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/27 15:00
S28	7	(("5181111") or ("5657914") or ("4821723") or ("5087243") or ("5243978") or ("5433729") or ("5509925")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 15:01

S29	97	(US-20010012953-\$ or	US-PGPUB;	OR	ON	2005/09/27
JEJ	91	US-20020055764-\$ or US-		OI 1	ON	15:14
		1	USFAT			13.14
		20020065544-\$ or US-				
		20020143368-\$ or US-				
		20030009197-\$ or US-				
		20030050670-\$ or US-				
		20030078623-\$ or US-				
		20030083700-\$ or US-				
		20040098056-\$ or US-				
		20040172067-\$ or US-				
		20050203580-\$ or US-				
		20020107546-\$).did. or				
		(US-3995623-\$ or US-				
		4030509-\$ or US-				
		4444195-\$ or US-				
		4554922-\$ or US-				
		4787389-\$ or US-				
		4928688-\$ or US-				
		4967746-\$ or US-				
		4967748-\$ or US-				
		4984572-\$ or US-				
		5054485-\$ or US-				
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		5105810-\$ or US-				
		5156151-\$ or US-				
		5174289-\$ or US-				
		5179946-\$ or US-				
		5224476-\$ or US-				
		5228442-\$ or US-				
		5255679-\$ or US-				
		5263493-\$ or US-				
		5282838-\$ or US-				
		5282845-\$ or US-				
		5324284-\$ or US-				
		5350404-\$ or US-				
		5354315-\$ or US-				
		5403355-\$ or US-				
		5403356-\$).did. or (US-				
		5409000-\$ or US-				
		5433729-\$ or US-				
		5476482-\$ or US-				
		5487758-\$ or US-				
		5514163-\$ or US-				
		5562708-\$ or US-				
		5577509-\$ or US-				
		5609157-\$ or US-				
		5713929-\$ or US-				
		5720768-\$ or US-				
		5728140-\$ or US-				
		5800465-\$ or US-				
		5814079-\$ or US-				
		5855592-\$ or US-				
		5873896-\$ or US-				
		Ψ σ, σσ				

S32 135	sinus and interventricular adj septum	USPAT	OR	ON	2005/09/27 15:45
S31 297	septum and interventricular adj septum	USPAT	OR	ON	2005/09/27 15:39
S30 16	("5728140").URPN.	USPAT	OR	ON	2005/09/27 15:39
	5902324-\$ or US- 5935160-\$ or US- 5978704-\$ or US- 5983138-\$ or US- 5995870-\$ or US- 5995871-\$ or US- 5999853-\$ or US- 6014590-\$ or US- 6058327-\$ or US- 6058332-\$ or US- 6067470-\$ or US- 6070104-\$).did. or (US- 6085119-\$ or US- 6141588-\$ or US- 623079-\$ or US- 6238420-\$ or US- 6238420-\$ or US- 6238420-\$ or US- 6238778-\$ or US- 6337995-\$ or US- 6341234-\$ or US- 6363278-\$ or US- 6370427-\$ or US- 6415183-\$ or US- 6421564-\$ or US- 6421564-\$ or US- 6584362-\$ or US- 6647291-\$ or US- 6745081-\$ or US-				

S33	20	sinus and interventricular adj septum and heli\$4	USPAT	OR	ON	2005/09/27 16:01
S34	0	S29 and "10 ma"	USPAT	OR	ON	2005/09/27 16:02
<b>S</b> 35	0	S29 and "10 mA"	USPAT	OR	ON	2005/09/27 16:02
S36	2	S29 and "10 milliamp"	USPAT	OR	ON	2005/09/27 16:02
S37	1	("5174289").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 19:31
S38	45	(607/130).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 20:03
S39	1	("5800464").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 20:07
S40	1	("4554922").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 20:16
S41	1	("5174289").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/27 20:16
S42	10	(("5800465") or ("5165403") or ("4998975") or ("5174289") or ("5800464") or ("5403356") or ("5999853") or ("4641656") or ("4554922") or ("5385579")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/28 09:49
S43	10	(US-4554922-\$ or US-4641656-\$ or US-4998975-\$ or US-5165403-\$ or US-5385579-\$ or US-5403356-\$ or US-5800464-\$ or US-5999853-\$).did.	USPAT	OR	ON	2005/09/28 18:09
S44	161	(607/127).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/28 18:10

S45	21	S44 and septum	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/28 18:12
S46	2	(("4311153") or ("4106512")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/28 18:12
S47	10	(US-4554922-\$ or US-4641656-\$ or US-4998975-\$ or US-5165403-\$ or US-5385579-\$ or US-5403356-\$ or US-5800464-\$ or US-5551427-\$).did.	USPAT	OR	ON	2005/09/28 18:14
S48	1	("6381493").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 10:12
S49	1	("6312388").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/29 10:12
S50	1	("5174289").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/24 13:18
S51	2048	(607/9,14,4,123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/24 13:18
S52	0	kahelin.xa.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/24 14:13
S53	393	(607/4).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/24 14:13
S54	1279	(607/9).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/24 14:14
S55	443	(607/14).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/24 14:14
S56	112	(607/123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/24 14:14
S59	1491	(607/9).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/26 16:33

S60	545	S59 and heart adj failure	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/26 16:33
S61	28	(US-20060161207-\$ or US-20060203580-\$ or US-20040230234-\$ or US-20040215252-\$ or US-20040215249-\$ or US-20040193223-\$ or US-20040102812-\$ or US-20040098056-\$ or US-20020193834-\$ or US-20020193834-\$ or US-20020151935-\$ or US-20020151935-\$ or US-20020151935-\$ or US-20020151934-\$).did. or (US-7158828-\$ or US-699815-\$ or US-6999815-\$ or US-6842642-\$ or US-6804555-\$ or US-6701186-\$ or US-6643546-\$ or US-6643546-\$ or US-6606516-\$ or US-6473645-\$ or US-6473645-\$ or US-6456878-\$).did.	US-PGPUB; USPAT	OR	ON	2007/03/27
S62	85	(US-20060247698-\$ or US-20060161207-\$ or US-20060116727-\$ or US-20060047319-\$ or US-20060004418-\$ or US-20050283196-\$ or US-20050203580-\$ or US-20050038480-\$ or US-20040230238-\$ or US-20040230238-\$ or US-20040230234-\$ or US-20040230234-\$ or US-20040215252-\$ or US-20040215252-\$ or US-20040193223-\$ or US-20040158293-\$ or US-20040147966-\$ or US-20040133246-\$ or US-	US-PGPUB; USPAT	OR	ON	2007/03/27

00040400040 # == UC	1	: :		
20040102812-\$ or US-				
20040098056-\$ or US-				
20040049235-\$ or US-				
20030199930-\$ or US-				
20030195575-\$).did. or				
(US-20030153952-\$ or				
US-20030130702-\$ or US-				
20030009197-\$ or US-				
20030004548-\$ or US-				
20020193836-\$ or US-				
20020193834-\$ or US-				
20020177879-\$ or US-				
20020169484-\$ or US-				
20020153454 Gr US-				
20020151935-\$ of 05-				
(US-4554922-\$ or US-				
5403356-\$ or US-				
5800465-\$ or US-				
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7158828-\$ or US-				
7142914-\$ or US-				
7127289-\$ or US-				
7113823-\$ or US-				
7096064-\$ or US-				
7085602-\$ or US-				
7079895-\$ or US-				
•			i	
7058449-\$ or US-				
7013176-\$ or US-				
6999815-\$ or US-				
6963775-\$ or US-				
6963774-\$).did. or (US-				
6961613-\$ or US-				
6915160-\$ or US-				
6842642-\$ or US-				
6839592-\$ or US-				
6804555-\$ or US-				
6760623-\$ or US-				
6708061-\$ or US-				
6704599-\$ or US-				
6704598-\$ or US-				
6701186-\$ or US-				
6668194-\$ or US-				
	:	31		
6643546-\$ or US-				

		6622040-\$ or US-6606516-\$ or US-6574506-\$ or US-6501988-\$ or US-6496730-\$ or US-6480740-\$ or US-6473645-\$ or US-6456878-\$ or US-6341234-\$).did.				
S63	3	S62 and ma	US-PGPUB; USPAT	OR	ON	2007/03/27 13:43
S64	1	("6643546").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 13:43
S65	26	("4686987"   "4702253"   "4730619"   "4773401"   "4865036"   "4901725"   "5036849"   "5074303"   "5137019"   "5154171"   "5179949"   "5190035"   "5197467"   "5201808"   "5284136"   "5309917"   "5361776"   "5391190"   "5417717"   "5800465"). PN. OR ("6643546"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 13:44
S66	8	S65 and coronary	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 16:00
S67	1	("6704598").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 16:10
S68	191	(607/127).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 16:13
S69	37	S68 and sept\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 16:13
S70	359	(607/125-126).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/27 16:13
S71	66	S70 and sept\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 16:28
S72	33	607/9.ccls. and "10 mA"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 16:45

S75   96   ("3345990"   "3431912"   US-PGPUB; OR   USPAT; USOCR   USPAT; USOCR	S73	0	607/4,9,14,	123	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/27 16:46
"343328"   "3595242"   USPAT;	S74	2349	(607/4,9,14	,123).CCLS.	USPAT;	OR	OFF	2007/03/27 16:46
"4790317"   "4799486"   "4817608"   "4827932"   "4827934"   "4830006"   "4925443"   "4928688"   "4932407"   "4958632"   "4967749"   "4974588"   "4998975"   "5014696"   "5024222"   "5083563"   "5099838"   "5111811"   "5129394"   "5158097"   "5165403"   "5174289"   "5213098"   "5251621"   "53385579"   "5403356"   "5487758"   "5545204"   "5551427"   "5584868"   "5626620"   "5728140"   "5755766"   "5800464"   "5800465"   "5814079"   "618459"   "693224"   "6919209"   "6932324"   "6317631"   "6330476"   "6337995"   "63463232"   "6421564"   "6463324"   "6556874"   "66567700"   "6584362"   "66643546"	S75	96	"3433228" "3648707" "3814106" "3937226" "4057067" "4303075" "4332259" "4354497" "4386610" "4418695" "4452248" "4554922" "4559946" "4624260" "4624260" "4727877" "4790317" "4817608" "4727877" "4790317" "4817608" "4925443" "4925443" "4925443" "4925443" "5024222" "5099838" "5129394" "5165403" "5213098" "5129394" "5165403" "5213098" "5518593" "558579" "5626620" "5755766" "5899930" "5919209" "6158459" "6317631" "6337995" "6421564" "66556874"	"3595242"   "3747604"   "3903897"   "4052991"   "4088140"   "4312355"   "4335727"   "4378020"   "4401119"   "4429697"   "4458677"   "4554922"   "4561442"   "4628934"   "4685446"   "4712555"   "4774950"   "4774950"   "4799486"   "4928688"   "4928688"   "49328688"   "5014696"   "4928688"   "5083563"   "5111811"   "5158097"   "5174289"   "5251621"   "5334222"   "5334222"   "5403356"   "5174289"   "5251621"   "5334222"   "5935160"   "5902324"   "5902324"   "5902324"   "5902324"   "6330476"   "6343232"   "6463324"   "6567700"	USPAT;		ON	2007/03/27 17:04

		"6937895"   "RE38119"). PN.				
S76	1	("6643546").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/01 12:45
S77	1	("6643546").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/17 10:14
S78	1	("6473645").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/17 10:14
S79	1	("6473645").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 13:51
S80	21	"607".clas. and resynchronization with septum with left	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 13:59
S81	171	"607".clas. and resynchronization and (septum same "left ventricle")	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:01
S82	218	"607".clas. and (resynchronization "multi- site" multisite "multiple sites") and (septum same "left ventricle")	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:08
S83	1	("6704598").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/03 14:14
S84	98	"607".clas. and (resynchronization "multi- site" multisite "multiple sites") and (septum same coronary)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:17
S85	75	"607".clas. and (resynchronization "multi- site" multisite "multiple sites") and (sept\$4 same electrode same coronary)	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:27

S86	55	("3924641"   "3946745"   "4343312"   "4402322"   "4498478"   "4539991"   "4545956"   "4569350"   "4781194"   "4903700"   "4940054"   "4944298"   "5027815"   "5111811"   "5163429"   "5181511"   "5193535"   "5213098"   "5215083"   "5224475"   "5391185"   "5411547"   "5421830"   "5441547"   "5514161"   "5522858"   "5534015"   "5562708"   "5601608"   "5620471"   "5649966"   "5713929"   "5814079"   "5871506"). PN. OR ("6178351"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:28
S87	0	"607".clas. and "in the left ventricle" and resynchronization	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:35
S88	0	"607".clas. and "in the left ventricle" with electrode	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:36
S89	0	"607".clas. and "in the left ventricle"	US-PGPUB; USPAT; USOCR	OR	ON	2008/09/03 14:36
S90	2828	(607/4,9,14,123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/18 15:33
S91	1950	(607/9).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/08 12:13
S92	1287	(607/4,14,123).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/02/08 12:17
S93	1	("5728140").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2010/08/12 15:54

## **EAST Search History (Interference)**

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## 8/12/2010 7:42:24 PM

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